Submission Worksheet

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https://learn.ethereallab.app/assignment/IT202-008-S2024/it202-sql-readings-and-quiz/grade/jhr4

IT202-008-S2024 - [IT202] SQL Readings and Quiz

Submissions:

Submission Selection

1 Submission [active] 2/17/2024 3:43:21 PM

Instructions

∧ COLLAPSE ∧

1. Visit w3schools and go to the HTML Tutorial: https://my-learning.w3schools.com/tutorial/mysql
   1. MySQL and RDBMS Fundamentals Lessons 1.1 - 1.3
   2. Query Basics Lessons 2.1 - 2.8
   3. Data Manipulation Lessons 3.1 - 3.4
   4. Query Techniques Lessons 4.1 - 4.9
   5. Advanced Queries Lessons 5.1 - 5.11
   6. Database Management Lessons 6.3 - 6.15
   7. MySQL Quiz at the end of the tutorial

Guide:

1. Make sure you're in the main branch locally and `git pull origin main` any pending changes
2. Make a new branch per the recommended branch name below (git checkout -b ...)
3. Fill in the items in the worksheet below (save as often as necessary)
4. Once finished, export the worksheet
5. Add the output file to any location of your choice in your repository folder
6. Check that git sees it via `git status`
7. If everything is good, continue to submit
   1. Track the file(s) via `git add`
   2. Commit the changes via `git commit` (don't forget the commit message)
   3. Push the changes to GitHub via `git push` (don't forget to refer to the proper branch)
   4. Create a pull request from the homework related branch to main (i.e., main <- "homework branch")
   5. Open and complete the merge of the pull request (it should turn purple)
   6. Locally checkout main and pull the latest changes (to prepare for future work)
8. Take the same output file and upload it to Canvas
   1. *This step is new since GitHub renders the PDF as an image the links aren't clickable so this method works better
   2. *Remember, the github process of these files are encouragement for your tracking of your progress

Branch name: M4-SQL-Readings

Tasks: 8 Points: 10.00

● SQL Readings (8 pts.)
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∧COLLAPSE∧

Task #1 - Points: 1

Text: MySQL and RDBMS Fundamentals Lessons 1.1 - 1.3

Task Screenshots:

Gallery Style: Large View

Small   Medium   Large

Lessons 1.1 - 1.3 Completed.

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Task #2 - Points: 1

Text: Query Basics Lessons 2.1 - 2.8

Task Screenshots:

Gallery Style: Large View

Small   Medium   Large

✔ **2. Query basics**   DONE   8 of 8 lessons completed   ⌄

✔ **Lesson 2.1** - SQL   ✔ **Lesson 2.5** - ORDER BY

✔ **Lesson 2.2** - SELECT   ✔ **Lesson 2.6** - LIMIT

✔ **Lesson 2.3** - WHERE   ✔ **Lesson 2.7** - MIN and MAX

✔ **Lesson 2.4** - AND, OR, NOT   ✔ **Lesson 2.8** - COUNT, AVG, SUM

Practice Code

Lessons 2.1 - 2.8 Completed.

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Task #3 - Points: 1

Text: Data Manipulation Lessons 3.1 - 3.4

Task Screenshots:

Gallery Style: Large View

Small   Medium   Large

✔ **3. Data manipulation**   DONE   4 of 4 lessons completed   ⌄

✔ **Lesson 3.1** - INSERT INTO

✔ **Lesson 3.2** - NULL Values

✔ **Lesson 3.3** - UPDATE

✔ **Lesson 3.4** - DELETE

Practice Code

Lessons 3.1 - 3.4 Completed.

Task #4 - Points: 1

Text: Query Techniques Lessons 4.1 - 4.9

Task Screenshots:

Gallery Style: Large View

Small   Medium   Large

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✓ 4. Query techniques   [DONE]   10 of 10 lessons completed   ⌄

✓ **Lesson 4.1** - LIKE   ✓ **Lesson 4.6** - Joins
✓ **Lesson 4.2** - Wildcards   ✓ **Lesson 4.7** - INNER JOIN
✓ **Lesson 4.3** - IN   ✓ **Lesson 4.8** - LEFT JOIN
✓ **Lesson 4.4** - BETWEEN   ✓ **Lesson 4.9** - RIGHT JOIN
✓ **Lesson 4.5** - Aliases   ✓ **Lesson 4.10** - CROSS JOIN   [Practice Code]

Lessons 4.1 - 4.9 Completed.

Task #5 - Points: 1

Text: Advanced Queries Lessons 5.1 - 5.11

Task Screenshots:

Small   Medium   Large

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✓ 5. Advanced queries   **DONE**   11 of 11 lessons completed   ⌄

✓ **Lesson 5.1** - Self Join   ✓ **Lesson 5.7** - INSERT SELECT

✓ **Lesson 5.2** - UNION   ✓ **Lesson 5.8** - CASE

✓ **Lesson 5.3** - GROUP BY   ✓ **Lesson 5.9** - Null Functions

✓ **Lesson 5.4** - HAVING   ✓ **Lesson 5.10** - Comments

✓ **Lesson 5.5** - EXISTS   ✓ **Lesson 5.11** - Operators

✓ **Lesson 5.6** - ANY, ALL

Practice Code

Lessons 5.1 - 5.11 Completed.

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Task #6 - Points: 1

Text: Database Management Lessons 6.3 - 6.15

Task Screenshots:

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○ 6. Database management   **IN PROGRESS**   14 of 16 lessons completed   ⌄

○ **Lesson 6.1** - Create DB   ✓ **Lesson 6.9** - Primary Key

✓ Lesson 6.2 - Drop DB	✓ Lesson 6.10 - Foreign Key
✓ Lesson 6.3 - Create Table	✓ Lesson 6.11 - Check
✓ Lesson 6.4 - Drop Table	✓ Lesson 6.12 - Default
✓ Lesson 6.5 - Alter Table	✓ Lesson 6.13 - Create Index
✓ Lesson 6.6 - Constraints	✓ Lesson 6.14 - Auto Increment
✓ Lesson 6.7 - Not Null	✓ Lesson 6.15 - Dates
✓ Lesson 6.8 - Unique	✓ Lesson 6.16 - Views

Practice Code

Lessons 6.3 - 6.15 Completed.

Task #7 - Points: 1

Text: MySQL Quiz at least 65%

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ⓘ **Details:**

Note: This is the quiz at the end of the tutorial page

Task Screenshots:

Gallery Style: Large View

Small   Medium   Large

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6. Database management   **IN PROGRESS**   14 of 16 lessons completed   >

Quiz   0 ★ 88 points ✓

You scored **88%** correct on the last quiz, and got **88 points**.

Want a star? Get all correct.

Retake quiz

Exercises   1 ★ 50 points ✓

You got the answer correct for 50 of 50 exercises, and earned **50 points** and a **star**.

Go to exercises

Get Certified!

● **Reflection** (2 pts.)
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^COLLAPSE ^

Task #1 - Points: 1
Text: Reflect on the topics and refer to the checklist of this task

Checklist
*The checkboxes are for your own tracking

#	Points	Details
☐ #1	1	Mention specifics of what concepts/topics were totally new to you.
☐ #2	1	Mention specifics of what concepts/topics you already knew.
☐ #3	1	Mention specifics of any topics you still don't feel confident about. If everything makes sense so far you can mention so.
☐ #4	1	At least a few reasonable sentences.

Response:

This reading was more challenging than the other readings as the whole topic was new of SQL. The language wasn't similar to the other languages too so it was much harder. While I understand the basics of how it works and the possibilities with it the syntax seems difficult to remember. For example DELETE and DROP, its hard to know which one removes a value vs the whole table. The words like MODIFY, ALTER, and INSERT INTO also seem very similar and it's hard to know what is for what. While concepts like combining tables/columns, constraint words, and operations are understandable, the actual language seems hard to remember. When doing the quiz I also saw this, there were many different words that have similar meaning.

End of Assignment